EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION ORGANISATION EUROPEENNE ET MEDITERRANEENNE POUR LA PROTECTION DES PLANTES Summary sheet of validation data for a diagnostic test

The EPPO Standard PM 7/98 Specific requirements for laboratories preparing accreditation for a plant pest diagnostic activity describes how validation should be conducted. It also includes definitions of performance criteria.

Research Centre for Plant Protection and Certification Via Carlo Giuseppe Bertero, 22, 00156 Rome, Italy Short description of the test detection of Tomato leaf curl New Delhi virus Tomato leaf curl New Delhi virus Tomato leaf curl New Delhi virus Sperological DAS-ELISA in Leaves Date, reference of the validation report 2022-05-05 - Proficiency test for detection of tomato leaf curl New Delhi virus (EURL-Virology_2020-02-ToLCNDV)		
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As or adapted from an EPPO diagnostic protocol New test being considered for inclusion in the no	Method: Serological DAS-ELISA	
New test being considered for inclusion in the no	Reference of the test description	
	As or adapted from an EPPO diagnostic protocol	no
	New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	no

no Kit from Agdia no yes yes Begomovirus solanumdelhiense(TOLCND)	
yes yes Begomovirus solanumdelhiense(TOLCND)	
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Begomovirus solanumdelhiense(TOLCND)	
100.1	
10^-1	
61%	
From a comparison of samples of known status. The tests was performed by three different laboratories	
- ToLCNDV (italian isolate 102) - ToLCNDV (Italian isolate 126) - ToLCNDV isolate from DSMZ PV1109 - ToLCNDV isolate from DSMAZ PV1111)	
100%	
Analytical specificity - exclusivity	
TYLCV (M; IL); TYLCSV; TYLCThV; SLCV; WmCSV; ChaYMV	
86%	
leaf curl of squash	
100%	
From a comparison of samples of known status. The tests was performed by three different laboratories	
1.450.400.105	

Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	85%	
Repeatability		
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	88%	
Test performance study		
Test performance study?	yes	
Brief details of the test performance study and its output.It available, link to published article/report	The TPS was organized in the frame of EURL Virology activities and the 3 laboratories from the EURL consortium partecipates	

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